

AR 9.5

MONSANTO SUPERFUND SITE

PUBLIC MEETING

On August 13, 1996 at 7:00 p.m. a public meeting was held concerning the Monsanto Superfund Site at the Soda Springs High School Auditorium. Misha Vakoc acted as the Meeting Moderator and background presentations were given by Bob Geddes, Tim Brincefield and Dean Pahl followed by a question and answer period and opportunity for public comment.



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1 MISHA VAKOC: I'd like to thank you all
2 for coming this evening. My name is Misha Vakoc and
3 I'm a community relations coordinator with the
4 Environmental Protection Agency in Seattle
5 Washington.

6 The purpose of our meeting this evening is
7 to discuss the details of the EPA's proposal of the
8 cleanup action at the Monsanto Superfund Site. We'd
9 like also to give the opportunity to answer any
10 questions that you may have and to actually take your
11 comments this evening on both the proposed plan that
12 we'll discuss and all the alternatives that were
13 evaluated and looked at as we developed this plan.

14 The Superfund process began in the late
15 80's for the Monsanto Site and in 1990 EPA approved
16 the Site for moving onto the national priorities
17 list, thus beginning the Superfund process of
18 essentially a study phase.

19 This first phase -- during this first
20 phase both EPA and Monsanto did some extensive
21 environmental sampling to determine both the type and
22 the extent of the contamination of the Site. As well
23 as to look at the human health and environmental

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1 risks associated with that contamination.

2 We're now in the midst of what's
3 considered the decision phase of the Superfund
4 process where we've looked at the feasible options of
5 the cleanup of that contamination and EPA has drafted
6 this proposal for public consideration.

7 What we need tonight of course is your
8 input on this plan to move ahead in the right
9 direction.

10 The last phase of the Superfund process
11 will be the actual cleanup itself, the cleanup
12 actions as defined. And that will take place after
13 all the public comments and concerns are addressed
14 via a public document, a legal document called a
15 Record of Decision.

16 Let's see. . . As I said we're currently
17 about half way through the public comment period.
18 The deadline for public comments on the proposed plan
19 is August 30th.

20 I'd like to point out that there are a
21 number of ways you can provide comments in these
22 remaining two weeks to EPA. The first of course is
23 you can comment verbally this evening, we have a
24 court reporter here who will be transcribing the
25 proceedings and the transcript of this meeting will

1 become part of the administrative record.

2 The second way that you can comment is to
3 actually write out your comments this evening if you
4 choose not to stand up and speak tonight. We have
5 some blue forms on the table in the foyer which are
6 for your use if you would like to write out your
7 comments and leave them here for us before you go.

8 The third way that you can comment if you
9 would like to think about what you've heard tonight
10 and if you think of something even after this meeting
11 you can provide your comments by mailing them to our
12 office in Seattle before August 30th.

13 The blue form on the table is designed as
14 a self-mailer so it's already got the address on
15 there and you can use that form or write us a formal
16 letter using the address that's printed out there.

17 Our agenda for this evening we'll start
18 out first with a brief introduction by Bob Geddes
19 from the Monsanto Chemical Corporation. That will be
20 followed then by a discussion by Mr. Dean Pahl from
21 the environmental consulting firm Montgomery Watson
22 who will describe the remedial investigation process
23 and just give us a brief summary of the remedial
24 investigation.

25 Next up will be Tim Brincefield, the EPA

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1 project manager for the Monsanto Site who will
2 summarize the findings of the risk assessment both
3 for human health and the environmental risks. These
4 assessments were based on the results investigative
5 remedial investigation.

6 Dean Pahl will then get up and provide yet
7 another presentation on the various cleanup options
8 that were examined for the Monsanto Site and the
9 parameters that were used to evaluate those options.

10 And lastly Tim will join us again and
11 discuss EPA's actual preferred cleanup options for
12 the Site.

13 I'd also like to mention that we have with
14 us this evening a representative from the Idaho
15 Division of Environmental Quality. Mr. Gordon Brown
16 is here so if there are questions for the State he
17 will answer those.

18 I'd like to encourage you to ask questions
19 at any point during the presentations or after each
20 individual presentation and also at the conclusion of
21 the presentation we'll kind of ask again if there are
22 any other additional questions. And then we'd like
23 to open up, as you can see on your agenda that you
24 may have picked up, that we'll open it up for formal
25 public comment.

1 I was just wondering if I could possibly
2 get a show of hands for how many people are actually
3 going to provide a statement this evening so I can
4 get an idea. Any? At all?

5 Okay. We'll play that by ear. Two?
6 Three? That's certainly a manageable number. I was
7 going to ask that we would actually sign up if there
8 were a number of people who actually wanted to
9 comment but since there's as many as we are I think
10 we can handle that without a formal sign-up.

11 And one last thing I would like to ask
12 that you introduce yourself as you comment this
13 evening for the benefit of our court reporter and the
14 transcript that will be made.

15 Yes?

16 UNIDENTIFIED SPEAKER: There a couple of
17 ladies here that are a little hard of hearing. Could
18 you speak up a little bit and would the presenters
19 also?

20 MISHA VAKOC: Certainly.

21 Is this loud enough for you?

22 TIM BRINCEFIELD: There are also some
23 lovely seats in the front two rows here that are
24 going begging, just like church.

25 MISHA VAKOC: If you're having problems

1 please just let us know and we will speak louder.

2 TIM BRINCEFIELD: We can also get a
3 microphone if it turns out that just talking is not
4 enough.

5 MISHA VAKOC: So does anybody have any
6 other questions before we begin this evening?

7 Okay. With that I'd like to ask

8 Mr. Geddes to start us off, please.

9 BOB GEDDES: Thank you, Misha. I'll try
10 to talk loud enough, if I'm not talking loud enough
11 just raise your hand and I'll try a little harder.

12 My name is Bob Geddes, I work for Monsanto
13 Company. I am the project coordinator for the
14 Superfund activity and I've functioned in that
15 position for the past six years.

16 What I'd like to do before we turn the
17 time over to more formal presentation is introduce
18 some of the members of our team who have worked very
19 hard over the last six years to characterize the
20 plant site. And I'm even going to indulge a little
21 bit and ask them to stand up as I introduce them.

22 Kent Lott is the technical engineering
23 superintendent at the plant. Kent is my supervisor
24 and has been very dedicated to make sure that I
25 completed my assignments and roles.

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1 Pat Hyland. Pat is an environmental
2 operations manager for Monsanto, he lives in St.
3 Louis and he has responsibility for our facility.

4 Dale Wilson. Dale is a principal
5 engineering specialist, he works for Monsanto and
6 lives in St. Louis and works there but has provided
7 me a tremendous amount of support as we have worked
8 through this process.

9 Bill Wright. Bill works for Montgomery
10 Watson Engineering, he has provided us technical
11 support as we've conducted the risk investigation
12 feasibility study. Bill is kind of an expert risk
13 assessment person who has helped out a tremendous
14 amount there.

15 Dean Pahl, who you will meet a little bit
16 later, works for Montgomery Watson as well. He
17 resides in Salt Lake City, works out of that office.
18 He's the feasibility study project manager which
19 we'll hear about a little bit later.

20 David Benton who many of you have met
21 before, he's spent a lot of time in Soda Springs. He
22 is our hydrogeologist who has helped us characterize
23 the groundwater in the Soda Springs area, he was
24 unable to be with us tonight.

25 And also Dan Hrebenyk who lives in

1 Vancouver, British Columbia, works for SENES
2 Consultants. He helped us characterize the air
3 pathway.

4 So that is the team of professionals that
5 have worked on the Superfund Site for Monsanto's
6 standpoint and helped and worked very diligently over
7 the past six years to characterize and evaluate the
8 conditions at the Soda Springs facility.

9 In my opinion I think we've assembled a
10 world-class team. We have great professionals who
11 have dedicated a lot of time and a lot of effort to
12 do what I think is the very best job possible to
13 define what the environmental conditions are at the
14 Monsanto Soda Springs Site.

15 Throughout the entire process Monsanto has
16 tried to work very closely with EPA and the Idaho
17 Division of Environmental Quality to make sure that
18 all of the conditions and needs were met as we
19 carried out the risk investigation and feasibility
20 study.

21 What I would like to do before I turn the
22 presentation over to Dean is provide a formal
23 invitation for any of you who have concerns or
24 questions to come and talk to us. We would love to
25 share the information that we spent six years

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1 developing, we would love to tell you a little bit
2 more about the environment that we all live in. And
3 we would like to hopefully resolve any concerns that
4 you may be feeling at this point in time.

5 So either tonight or after the meeting or
6 give us a call, whatever is convenient for you please
7 fell free to give me a call if I can't personally
8 answer your questions I'll guarantee that part of
9 this team can answer your question and we'll do our
10 best to make sure that all of your concerns are
11 addressed and the questions are answered.

12 So with that I'll turn the time to Dean
13 Pahl.

14 DEAN PAHL: Thanks, Bob. Introduced
15 twice. My name is Dean Pahl, I've been involved in
16 this project for the last couple of years and help
17 managed the project through the feasibility study
18 which is the process of making decisions about what
19 should be done based on the findings of the
20 investigation.

21 This first portion I'm just going to very
22 briefly go through the findings of the remedial
23 investigation. I have copies of a number of the main
24 documents up front so there's lots of things I won't
25 remember and you can come up and talk with me later.

1 There are also copies of all the documents in the
2 library.

3 Just a quick history for the project. The
4 project's really been going on for a long time,
5 longer than anybody mentioned. Monsanto initiated
6 investigations into potential environmental problems
7 back in the 70's, installed groundwater monitoring
8 wells.

9 And as over the years they started to find
10 issues or problems they went ahead and tried to
11 address them, I'll get into some details of that in a
12 minute.

13 This process that we're discussing
14 tonight, this Superfund process, began in 1987 when
15 EPA conducted a site inspection of the plant. As a
16 result of that inspection the Site was placed on the
17 national priority list which is basically a list of
18 sites around the country that are going to go through
19 a process of investigation and decision whether
20 actions are taken.

21 That began what's called a remedial
22 investigation and feasibility study that ended this
23 year and results in us having this proposed plan and
24 this meeting.

25 It's a long list and I won't read it all

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1 and I hope folks in the back can see the print well
2 enough? No? Yep.

3 Over the years Monsanto's done quite a few
4 things before we come to this point of decision of
5 what further actions, I've listed a number of them
6 here.

7 As they've found problems they've closed
8 facilities properly so that problems won't continue.
9 They've changed practices in their operations over
10 the years to try to address any problems that have
11 been found.

12 Just to give a kind of overall idea in the
13 this just a diagram of the Site. And the arrows are
14 indicating how things could get from inside the
15 plant, the potential problems, these are indicating
16 main ones.

17 These little white arrows if you can see
18 them down at the front end right here and here
19 they're showing there were some facilities that were
20 used in the past that the decision was made that they
21 were probably effecting groundwater so those
22 facilities were taken out of service and closed. And
23 in fact all of the sources that affected groundwater
24 within the plant have already been addressed.

25 And then this diagram is showing that

1 there's air emissions that come out of the plant.
2 There's also as every one knows looking at the plant
3 there are a number of piles, I'll use the term
4 stockpiles as we talk about it, of material that are
5 intermediate by-products in the process of the
6 plant.

7 Wind can blow some dust off of that and in
8 fact that's the source of what effect there's been to
9 the soils outside the plant. I'll leave that up and
10 I'm happy to come back and questions about that.

11 So in overview I'm going to talk about
12 three more things. One is the potential sources that
13 were investigated, the second is how and what kind of
14 numbers of samples were collected and evaluated and
15 last I'm going to summarize the findings from the
16 remedial investigation.

17 Again a long list and basically this list
18 represents all of the materials that are within the
19 plant were looked at and tested, sampled and tested
20 to see if they might have contributed any problems
21 outside the plant site.

22 Also the facilities within the plant that
23 might have affected groundwater are on this list.
24 Everything on this list was investigated as part of
25 the remedial investigation.

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1 Again I'm going through real quickly just
2 giving a summary. For soils there were 72 locations
3 outside surrounding the plant where some locations
4 one and other locations up to five samples were taken
5 trying to determine if there were any problems that
6 were effects from the plant and how deep they might
7 have affected the soil.

8 For groundwater over the years between 50
9 and 60 monitoring wells were installed in the area
10 around the plant and within the plant and the springs
11 surrounding the plant all of those were sampled
12 numerous times over the years and sampling has been
13 happening even today.

14 For air, all the available air monitoring
15 data was pulled together, evaluated and a model was
16 created to try and determine what the effects
17 off-site from air emissions of the plant were.

18 And with surface water and sediments the
19 Soda Creek and all the way down to Alexandar
20 Reservoir were sampled both for the water and the
21 sediments at the bottom of the creek to see what
22 effects there might be. And in the case of the
23 sediments there was testing done on tiny critters in
24 the sediment to see if there was an effect on animals
25 living there.

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1 I'm going to end this portion, although
2 I'm happy to take questions, with a summary of the
3 findings.

4 For groundwater there was found to be some
5 effect outside the plant primarily just south of the
6 plant. Let me give you an idea of where. This is
7 the plant, this is the property adjacent and this are
8 parcels of land that Monsanto has purchased but isn't
9 using for plant activities.

10 And on this figure the yellow outline
11 around here and up at the top, those are the areas
12 where there's been soil that's been affected. And
13 the other colors, as are indicated in the legend up
14 at the top, are effects to groundwater.

15 For groundwater several constituents have
16 been studied, florae, cadmium, selenium and nitrates
17 were detected above primary drinking water standards
18 and manganese was detected above a secondary drinking
19 water standard in the plant itself and within the
20 plant.

21 For soil the major constituent of concern
22 was radium 226 which was found at slightly elevated
23 levels in the yellow area around the plant that I
24 indicated. And for air, surface water and sediments
25 there were no findings of any effects that required

1 any further action.

2 If anybody has a question right now or I
3 could take them later I know this was a quick
4 summary.

5 Tim?

6 TIM BRINCEFIELD: Hello, some of you may
7 remember me I am Tim Brincefield. I've been the EPA
8 project manager now for five years on this and been
9 here a couple of times before to try to present the
10 initial findings of the remedial investigation and
11 the risk assessment as we did them.

12 And now that we're to the end of the
13 process this is EPA's public meeting to try to get
14 your comments on the proposals in front of you.
15 Monsanto and their consultants have been kind enough
16 to give us some summary of some of the investigation
17 work that they've been doing under oversight of the
18 EPA and the State.

19 Building on the studies that were done by
20 Monsanto of the nature and extent of constituents
21 around the facility and at the plant EPA then did a
22 risk assessment. And a risk assessment as it says
23 here is an evaluation of potential risks to human
24 health and the environment in the absence of any
25 cleanup action or further action.

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1 We understand Monsanto has taken action to
2 address a number of things, this is an effort to do
3 an assessment of what would be the risks in the event
4 no further action were taken. And it will provide a
5 basis, the risk assessment provides a basis for our
6 decision of whether or not to consider whether
7 cleanup is necessary and may be used to help set
8 cleanup levels.

9 We did separate assessments on risks to
10 human health and the environment. And taking a
11 moment to try to help explain when EPA says it
12 estimates risks, risks that we talk about means that
13 we found that there's a chemical or a constituent
14 that causes potential harm and that someone, a person
15 or the environment some other critter, is exposed to
16 that.

17 And if there is a hazard or a couple of
18 concerns and there's an exposure, I drink the
19 contaminated water, then there's a risk associated
20 with that.

21 If the water is contaminated and no one is
22 drinking it then we don't say that there's a risk in
23 the current situation because we don't have both the
24 hazard, the chemical in the water, and the exposure,
25 someone actually drinking it.

1 So we took the information that Monsanto
2 had collected about -- and I've taken groundwater
3 here for example and to explain the red outline here
4 outlines the plant boundary and other property owned
5 by Monsanto and in green is a rough estimate. And
6 there's a lot of other detail on here from the
7 reports, if you could just kind of focus I'm trying
8 to use this to illustrate it and we can go into the
9 details.

10 But it basically shows the extent of
11 contaminated groundwater relative to underneath and
12 relative to the facility. And with that information
13 we then look at the question of who could potentially
14 be exposed to this or who is exposed to it.

15 And in the case of the water the finding
16 was that there is no current risks since there's no
17 one currently drinking the affected water, there are
18 no drinking water wells in the affected areas and the
19 City of Soda Springs drinking water supplies come
20 from a separate source that are unaffected and should
21 remain unaffected.

22 Plant drinking water supplies come from a
23 well that is uncontaminated, unaffected by the Site
24 and therefore the conclusion was there is no current
25 risk.

1 However, we also concluded that there
2 would potentially be an unacceptable risk should
3 someone put a drinking water well in the affected
4 area to the south. So no one currently at risk but
5 there's a potential because the contaminates in the
6 groundwater that there's unacceptable risks and I'll
7 talk a little bit more about that in a moment.

8 Similarly we evaluated current potential
9 risks with respect to the soils and solid sources.
10 And there we looked again -- I said we needed to be
11 concerned about a potential hazard and then is
12 someone exposed.

13 Within the facility primarily it would be
14 workers that we would think of would be potentially
15 exposed, nobody lives there. Even if someone visits
16 there occasionally to work they're not there very
17 often. So it's workers are the people that we looked
18 at potential risks to within the plant.

19 And then looking at the surrounding soils
20 in areas surrounding the plant we considered
21 potential risks to workers because we have some
22 businesses and industrial areas adjacent to the
23 facility and we looked at risks to potential
24 residents.

25 Again this is a rough representation of

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1 the facility in red and plant owned property owned by
2 Monsanto and the blue line outlines the extent of
3 soil contamination that we're proposing to address in
4 this plan.

5 The other details on the map, again all
6 those little black dots are sample locations. You
7 can see we sampled an area, they sampled an area that
8 was wider than we were identifying as being a
9 potential concern. Those areas were found to be
10 lesser levels and not pose an unacceptable risk.

11 But we then looked at who could be exposed
12 to these soils as I said within the plant and outside
13 here we looked at potential residential exposure
14 because there are no residences within these areas at
15 this time. And we also look at potential worker
16 exposure.

17 The current risks to workers, again we
18 looked at soils and sources within the plant, we
19 found the current risks to workers were within
20 Superfund's acceptable risk range.

21 And when I say that term acceptable means
22 things different to different people. In order to
23 help guide people like myself in making decisions in
24 this process as part of the risk assessment for
25 example if we're looking at potential risks of

1 cancer, which would be the concern with respect to
2 radium, it's in a range that risks that are very,
3 very small, below one in a million, are considered
4 acceptable. If the risk is that low or much lower we
5 don't even consider taking further action.

6 If risks, actual or potential, are
7 somewhat higher than that then we may consider the
8 need for action. So in this case we're saying the
9 risks to workers are well below that range that we
10 would consider taking action.

11 And this is in part because Monsanto has
12 active worker health and safety programs in place
13 that help reduce that. Their workers are monitored
14 and they've got safety programs and they have good
15 controls.

16 We also found again looking at potential
17 risks that uncontrolled exposure within the plant
18 could pose an unacceptable risk. If people were
19 there unprotected eight hours a day and there were
20 not the controls that Monsanto has in place now that
21 could potentially pose unacceptable risks.

22 The other areas that we looked at was in
23 soil surrounding the plant and there we looked at
24 current risks to workers were within the acceptable
25 range. Workers are not there as often as we assumed

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1 residents would be and by not being there as
2 frequently the lesser levels we find do not seem to
3 pose a risk to workers. And there are no residents
4 there so we say current risks are within the
5 acceptable range.

6 Since no one lives there though but
7 someone could. At the moment there is no
8 prohibition, nothing that would prevent someone from
9 deciding -- but there is no prohibition in place that
10 would prevent someone from building a home in the
11 contaminated areas adjacent to the facility and that
12 could pose an unacceptable risk.

13 Other agricultural uses, the crop set
14 aside program, things like that we don't see any
15 unacceptable risks associated with those uses. We
16 just would be concerned in the event someone were to
17 build a home and live in the most affected areas.

18 But at the risk of being totally redundant
19 when we've done this process they've taken all these
20 samples, we've looked at a lot of possibilities,
21 we've narrowed it down in my presentation of what
22 we've done to the areas that warranted further study
23 and seem to require potentially taking action.

24 And those were possibility of exposure to
25 contaminated groundwater, the possibility of

1 residential exposure to contaminated soils
2 surrounding the facility. Those risks are
3 unacceptably high so EPA directed Monsanto to do an
4 evaluation of alternatives that could address those
5 potential risks to reduce those risks or cleanup the
6 contamination to eliminate them.

7 Finally before I turn it over to Dean to
8 talk a little bit about that study it's important, we
9 made some other conclusions that I've already eluded
10 to.

11 Just as we told them they should go
12 forward and look at potential actions to deal with
13 the potential groundwater risks and potential soils
14 risks we determined that no action would be necessary
15 and therefore there was no need to do a study of
16 possible actions for sediments in Soda Creek, the
17 surface water in Soda Creek, for the air again due to
18 the lack of human health or environmental risks. So
19 this procedure is good news.

20 In addition we made the judgment that
21 there are some potential sources in the plant, the
22 dust piles that were talked about, that are
23 contributing to or appear to have contributed in the
24 past at last to the off-site soil contamination.

25 So we did tell them as part of the

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1 feasibility study look at ways to reduce that problem
2 to try to control those sources so that we no longer
3 have the dust escaping from the plant.

4 And finally since continued operation by
5 Monsanto is anticipated for the foreseeable future we
6 made a decision that we didn't need to do a study of
7 what potential actions to prevent those potential
8 risks. And that's a slightly different decision than
9 we made for the off-site soils.

10 We made that decision because as I say
11 there is every reason to believe that Monsanto will
12 continue to operate as they have, they are in
13 compliance with environmental laws.

14 And if we made the decision and put it in
15 this proposal we would then review every few years to
16 make sure that that remains effective. But we didn't
17 see any reason to go out and hypothetically come up
18 with actions that might reduce the hypothetical risks
19 when in fact they're going to continue to operate.

20 So those are some important decisions that
21 we made about things that didn't need to be studied.
22 And these are all decisions that you can comment on
23 as part of this comment period.

24 With that I'm going to take a break now
25 and hand it back and ask Dean to summarize a little

1 bit the feasibility study evaluation done by Monsanto
2 then I'll come back up and talk about EPA's ultimate
3 evaluation of that work and the proposed plan for
4 cleanup that we're putting out for discussion this
5 evening. Thank you. Unless you have any questions
6 now that would help before we go on?

7 Okay. Thank you then.

8 DEAN PAHL: I'll put that back up,
9 although I'm not going to really refer to it much
10 unless someone wants to have it there. And the areas
11 are the same on the overhead Tim used as this one.

12 Now I'm going to summarize again as
13 briefly as I can what we went through and the
14 decisions that came out of the feasibility study.
15 There's a little lingo associated with this so I'll
16 try and help it make sense.

17 The feasibility study is basically looking
18 at what things could you do that would be feasible
19 that you could accomplish reducing the risks that
20 were identified, I'm going to talk about four
21 things.

22 Remedial action objectives is the lingo
23 for what are the objectives, what are we trying to
24 achieve. And the risk assessment essentially gives
25 you the information as a first step to define the

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1 objectives very carefully so you can evaluate
2 things.
3 Development of alternatives, essentially
4 what you do in this kind of study is you look at
5 every technology that's available whether it's proven
6 and it's been used many times or it's brand new.
7 And we assemble them into what's called
8 alternatives that will deal with all the remedial
9 action objectives, the media that the risk assessment
10 pointed to as being a concern. So each of the
11 alternatives I'll talk about deal with each area of
12 remaining concern.
13 Those alternatives are screened and then
14 they're evaluated according to criteria that are
15 established by law. And then at the end of that
16 evaluation a preferred alternative is selected, the
17 next step in the process which Tim will talk about
18 next. The EPA takes that study and decides what's
19 the proposed plan.
20 The remedial action objectives and
21 summary, there are four. One is to control releases
22 from the on-site stockpiles that could effect
23 off-site soil and create unacceptable risks. The
24 second is to prevent long-term exposure by persons to
25 any soils that contain Radium 226 above the level

1 that stands for 3.7 picocuries per gram of soil.
2 The third is to prevent drinking of
3 groundwater that's been affected with constituents
4 that exceed the drinking water standards, I named
5 those earlier on.
6 And then last to restore groundwater to
7 its most beneficial use. As I think Tim eluded to
8 and let me take a minute with this slide as part of
9 the remedial investigation modeling was done to
10 determine if no further action is taken, with
11 groundwater the actions that have already been taken
12 have effectively addressed the sources, would the
13 groundwater recover on its own.
14 And it was decided within the remedial
15 investigation that in fact it would. And it depends
16 on the constituent whether it ranges from 5 to 30
17 years that the groundwater will recover so the
18 drinking water standards will not be exceeded.
19 This is just a summary of the process of
20 coming up with remedial alternatives. We looked at
21 many, many technologies and what are called process
22 options to assemble alternatives that would address
23 each of the remedial action objectives.
24 And part of that we developed and the
25 document describes 44 potential remedial

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1 alternatives. They break down into eight basic
2 classes of alternatives and each one of those
3 evaluated across a range of different risk levels.
4 We'll spend a minute with these and I'm
5 happy to take any questions, I know there's a lot of
6 words here. This is a summary of those eight basic
7 types of remedial alternatives that we considered.
8 The first is an alternative that says
9 enough's been done, no further action is required.
10 And that's actually required by law that you evaluate
11 that as a baseline to compare all the others to.
12 The second was added because in some cases
13 no further action may not be adequate and you need
14 some continued monitoring of groundwater or soils to
15 see if the problem is being addressed over time.
16 The third, and each one of these again
17 addresses each of the different media that the risk
18 assessment suggested were of concern, included dust
19 controls for the on-site source materials.
20 Essentially that's spraying material on the
21 stockpiles that hardens and forms kind of a crust so
22 that winds passing across won't blow things
23 off-site.
24 I'm not going to -- that repeats for
25 almost all except for one of the alternatives so

1 won't keep repeating it.
2 Then there be groundwater monitoring and
3 land-use restrictions for soil. The land-use
4 restrictions are basically various kinds of things
5 that could be done to assure that a home is never
6 built within these areas. And you can see the areas
7 are very close to the plant and I assume it's
8 recognized there are no residents in any of those
9 areas.
10 The fourth is similar to the one I just
11 named and the difference is that it includes
12 restrictions on groundwater use in addition to the
13 restrictions on soil.
14 The 5th, again many of these are similar
15 but it takes a different approach to soils, the
16 affected soils, outside the plant. In this
17 alternative what we looked at was planting crops that
18 would pull up -- plant uptake would pull up into the
19 plant the Radium 226. And then over several seasons
20 those plants would be harvested and disposed of.
21 This is a technology that's actually been
22 used quit a bit, it's always aimed at metals in
23 soils. There's some things in the literature but
24 there's not much proof of whether or not and which
25 plants would work for Radium 226 but the track record

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1 says it's a good thing to consider.
2 And this alternative it included the
3 proposal that there be a test done called a pilot
4 study to evaluate whether or not it would ever work.

5 The next one is dust controls again. And
6 in this case all the soils outside the plant would be
7 dug up to a depth of six inches.

8 If this didn't come across most of this
9 effect is very much on the surface, there's really
10 essentially no effect below six inches and the
11 largest portion of it is actually within the top
12 inch. So in that case the soils would be dug up and
13 disposed of.

14 In the seventh alternative instead of
15 using dust control on the outside materials there
16 would be soil placed over all these piles and they
17 would be capped which would effectively be very
18 difficult for Monsanto because it would affect --
19 those materials are used in the process.

20 And then the last one takes the off-site
21 soils, removes them and reuses them within the
22 plant.

23 All right. Up at the top of this I
24 indicated this screening process looks at three
25 criteria; effectiveness, implementability and cost to

1 sort out which alternatives should be considered in
2 real depth.

3 You can see the colors. The yellow ones,
4 the ones I have a little yellow bullet next to are
5 the ones that we determined should pass on and get
6 more serious consideration in the next step.

7 And then I'm happy to come back and
8 discuss this in more detail but the top define very
9 quickly the criteria that are established for this
10 process, I'll just kind of go through them very
11 fast.

12 You evaluate all of the alternatives
13 according to these -- well, there's actually nine of
14 them. Is it protective of human health and the
15 environment? Is it compliant with various standards
16 that may be appropriate or relevant to the Site? Is
17 it effective in the long term and is it effective in
18 the short term or does it create risks that are
19 unacceptable as it's being implemented?

20 The preference for treatment is that does
21 the preference that whatever constituents are of
22 concern their toxicity, their mobility, be reduced
23 and the preference is by treatment.

24 Are they implementable? That is can
25 you -- does it work but can you make it happen within

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1 a reasonable time frame. Cost and then State and
2 community acceptance.

3 As part of the feasibility study we
4 prepared we don't evaluate State and community
5 acceptance once that's turned in EPA works with the
6 State to determine what's acceptable to the State,
7 this meeting and your comments and EPA's response to
8 them is the way that community acceptance is
9 evaluated. We don't take a guess at that.

10 So this is another summary of which
11 alternatives passed through, they were the yellow
12 ones on the last slide. And again we can come back
13 and ask questions.

14 But basically from the feasibility study
15 the one that I have yellow again the alternative that
16 had dust controls for on-site materials, monitoring
17 of groundwater and soils and land use restrictions
18 that there not be residences placed in the affected
19 soil areas and that the affected groundwater not be
20 used for drinking water. That's the alternative that
21 was preferred in the f.s.

22 So now Tim's going to get back up and talk
23 about EPA's evaluation of that and the proposed
24 plan.

25 TIM BRINCEFIELD: Thank you, Dean.

1 Back to my high-tech presentation. In
2 order to really address the areas we focused on most
3 I've again kind of picked and chosen from the details
4 of the studies and for simplicity sake I wanted to
5 focus us in on two main things.

6 I told you we directed them to study what
7 could be done about groundwater people are
8 potentially effected by and the soils people are
9 potentially effected by.

10 For groundwater primarily looked at no
11 action, monitoring only and groundwater use
12 restrictions and monitoring. An example of the use
13 restrictions would be a temporary ban on drinking
14 water wells during the period of time the 5 to 30
15 year projection that it took for drinking water to
16 recover.

17 As I said before we did not consider
18 active cleanup of the groundwater for the reasons
19 Dean explained, it appears that it will recover in a
20 period of 5 to 30 years. The concentrations are low
21 enough that it would be extremely expensive and
22 difficult to justify as being effective to go in and
23 treat it and try to have a better result. So we
24 really did not evaluate that in detail.

25 And of these three alternatives that were

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1 evaluated only the last one, the groundwater use
2 restrictions meets the EPA criteria for
3 protectiveness and therefore that's the only one of
4 the alternatives that we can recommend and that is
5 what we recommend and I'll speak about that in a
6 moment.

7 For soils as it says it really came down
8 to looking at four alternatives for what you could do
9 about the soils surrounding the facility. We have to
10 look at no action required under the law, that would
11 not be protective in the event of a potentiality of
12 someone trying to build a home there.

13 So for EPA's standpoint of having to
14 recommend a protective alternative we end up
15 focussing on the remaining three primarily.

16 The land use restrictions to reduce
17 potential residential exposure risks. Those would
18 allow current land uses to continue but would
19 restrict the land use to preclude residential use of
20 the affected areas, those areas surrounding the
21 facility that have been shown to be effected. And
22 the total cost would be up to about 2.5 million
23 dollars over 30 years of establishing controls, doing
24 the continued monitoring and assessment that will be
25 done on this project.

1 The second main alternative, the treatment
2 by plant-uptake. There if successful that would be a
3 permanent way of cleaning up or addressing the
4 soils.

5 And it was projected that if successful
6 could take about seven years to implement but we
7 wouldn't know for sure until we did a test study to
8 find out whether that could really be done
9 successfully on local soils and for these
10 contaminants but that's the projection.

11 And the projection is that that would
12 take -- cost about 4.5 million dollars and it has
13 worked at other sites for metals, it has not been
14 shown to work for the radioactive particles of
15 concern here but it is a possibility.

16 And the third main possibility that would
17 be protective would be the excavation of contaminated
18 soils off-site and disposal within the plant. This
19 would reduce and eliminate the risks of potential
20 residential exposure in the surrounding soils and
21 would therefore not require that there be any
22 restrictions on the use of those soils.

23 It could however disrupt the area, going
24 out and scraping six inches of soil would disrupt any
25 vegetation that's there now and possibly other uses.

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1 And the projected cost if the entire effected area
2 that was looked at, actually the estimate was a
3 little larger than this because we considered
4 cleaning up to a little more stringent level
5 possibly, would be up to 16 million dollars, not a
6 small amount of money.

7 So those were kind of some of the Maine
8 considerations that we weighed in trying to recommend
9 a proposed plan. And what we ended up doing was not
10 agreeing completely and precisely with the preferred
11 alternative in the proposed feasibility study.
12 Instead we have in our judgment kind of picked and
13 chosen a little bit from the various pieces to
14 assemble a plan that we think makes the most sense to
15 address the issues of concern here.

16 And it's a combination of a couple of
17 things. As I said before, no further action -- and
18 Dean even talked about dust controls as one of the
19 things we're recommending. In fact Monsanto has been
20 proactive and has already put the dust control
21 actions in place and they appear to be successful.

22 And therefore our recommendation is that
23 we don't need to require them to do that again we
24 instead can state that it appears no further action
25 is necessary. We would however be able to do

1 periodic sampling to make sure that we've made the
2 correct judgment there.

3 In addition no action for sediment surface
4 water and air as described earlier.

5 As I already said pretty much the proposed
6 plan for groundwater no further action necessary to
7 control sources, those have already been dealt with
8 and there would be monitoring to make sure that this
9 has been the case.

10 And we are proposing that there should be
11 use restrictions on affected areas to prevent human
12 exposure to contaminated groundwater, such as a
13 temporary ban on drinking water wells in the affected
14 area.

15 And then the final component as I
16 explained is for soils. We recommend, as the
17 feasibility study did, that we think that the
18 alternative that offers the best balance of
19 protectiveness and recognizing what current uses are
20 and potential uses are would be in fact to ask
21 landowners to put use restrictions on their property
22 by therefore agreeing that there would never be
23 residential development of the affected areas, not
24 necessarily someone's entire property but any
25 affected areas.

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1 As a contingency because there has been
2 some concern that it might not be possible to get use
3 restrictions established, someone might not agree to
4 them or we might not be able to, and because we are
5 not going to impose those unilaterally as fall-back
6 as contingency we've proposed that areas that remain
7 unrestricted beyond a reasonable period of time or it
8 appears that those restrictions will not be able to
9 be affected that as a contingency we would propose
10 that there be active cleanup on any property that
11 could not be restricted.

12 Active cleanup by either plant-uptake if
13 the study could show that would work or just by the
14 excavation, particularly if we only have a small area
15 remaining that needed to be addressed.

16 And that in a nutshell is five years of
17 studies boiled down to a proposal that we'd like your
18 comments on. And before I leave this I would be
19 remiss if I didn't go on and say that I have
20 appreciated working on this project, working here in
21 Soda Springs hopefully being of some help.

22 I have gotten consistently excellent
23 support from Bob Geddes and his team, we don't always
24 have the same perspective on every issue but I think
25 we've been able to work professionally together to

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1 make sure that we got the information necessary to
2 make a good proposal here.

3 And before I close and hand it back to you
4 all for comments and Misha to wrap the meeting up I
5 just thought I would mention a question I used to ask
6 the first time someone asked me for comments and that
7 is, what sort of things are you asking for comments
8 on?

9 And I just wanted to make it clear that it
10 is not just, although it is simply the proposed plan
11 as we mailed it out to you all -- I meant to wave
12 this at everybody.

13 I think many of you received written
14 proposed plans in the mail, about an 11 or 12 page
15 document, we have more copies here. That goes into
16 greater detail than I have this evening. Of course
17 the five volumes of reports that go into greater
18 detail they have more information available.

19 But we welcome comments on the proposed
20 plan, the alternatives, the decisions we made not to
21 do more on some things, the proposals we're making
22 about doing something else, the studies that are out
23 there or any local preferences that you want to make
24 sure that we take into consideration in making our
25 decision and implementing it in the future.

1 So with that unless you have any questions
2 for me, thank you, very much.

3 MISHA VAKOC: Thank you, Tim.

4 Thank you, Dean.

5 Are there any questions?

6 Yes, sir?

7 SID CELLAN: On your land restrictions now
8 in the future will that expand at all? We own some
9 land just directly west of Monsanto will that effect
10 that in the future? I mean with your studies have
11 they found that that will leach out farther or has it
12 stopped?

13 TIM BRINCEFIELD: Right. If I understand
14 your question is, is there any chance or likelihood
15 that these areas that I've described that should be
16 restricted would expand over time or that more
17 property would be effected.

18 Based upon the information generated that
19 we have available now we see no reason to believe
20 that that would be the case. What appears to be the
21 case is that the contamination that is there largely
22 appears to be due to past practices.

23 Frankly Monsanto has progressively
24 improved their air emission controls on the stacks,
25 their dust controls and various other activities over

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1 the last 15 or 20 years based on studies I've seen
2 and what I've seen personally such that it appears
3 that they are emitting far less contamination than
4 they ever did before.

5 And that therefore we do not expect the
6 area to expand any more. In fact what we expect to
7 see is that things would get no worse or in fact
8 would decline over time even if we took no further
9 action based on the proposals.

10 But part of the safety net that would be
11 involved in this is that the monitoring program would
12 show us if that wasn't the case. So I would be
13 remiss if I didn't say conceivably if we were
14 checking in at a later date and find that there was
15 greater levels of contamination out here than we
16 expected I would be back to work trying to figure out
17 what was going on and trying to decide whether we
18 made a mistake in judgment as to what was the
19 situation and whether something else might be
20 necessary.

21 But everything we have in terms of data
22 and information suggests that should not be the
23 case. We don't see any evidence that it should
24 migrate, we don't see any evidence that things could
25 get worse, we don't see evidence that they are

1 re-contaminating at rates anywhere near what the past
 2 contamination puzzle was there. We are cautious but
 3 we would anticipate there wouldn't be anything more.
 4 Does that answer your question?
 5 SID CELLAN: Yes.
 6 COURT REPORTER: Excuse me, could you
 7 state your name?
 8 SID CELLAN: Sid Cellan.
 9 TIM JACKSON: On the groundwater
 10 alternative if you're going to be spending money
 11 monitoring for 30 years; is that right?
 12 TIM BRINCEFIELD: Correct.
 13 TIM JACKSON: Monsanto is going to be
 14 spending money monitoring?
 15 TIM BRINCEFIELD: That's projected in this
 16 study. We always say out to 30 years, it's a general
 17 benchmark. In this case we have projections that we
 18 would think everything to recover by then so it's
 19 useful and that's not a hard and fast number.
 20 TIM JACKSON: So it could be 5 to 30
 21 years?
 22 TIM BRINCEFIELD: We would anticipate the
 23 monitoring would continue until we've been able to
 24 prove that the groundwater has recovered and done so
 25 for a period of time where we're sure that we haven't

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1 missed something. At this point 30 years is a good
 2 working number.
 3 TIM JACKSON: Could be as little as five
 4 years though, right?
 5 TIM BRINCEFIELD: The 5 to 30 year figure
 6 is less uncertainty in the estimates than the fact
 7 that some of the constituents we expect to achieve
 8 them in as little as five.
 9 Some are essentially are bound up in the
 10 soil underneath the facility and it would take a
 11 little longer to dilute frankly and therefore would
 12 be present longer. At this point that estimate is
 13 closer to 30 for some.
 14 TIM JACKSON: And then on soil monitoring
 15 would that be monitored in the future as well?
 16 TIM BRINCEFIELD: Soil the estimate that's
 17 used there is 30 years. And I'm under requirement by
 18 the law to continue to evaluate the Site every five
 19 years if we leave anything in place that's
 20 potentially hazardous.
 21 These proposals would leave material that
 22 you could construe as possibly hazardous and
 23 therefore we would be back periodically until we
 24 could say we didn't need to any longer.
 25 TIM JACKSON: Is that where most of the

1 costs are coming from for Monsanto?
 2 TIM BRINCEFIELD: The costs break out very
 3 differently. The example -- the closest cost that's
 4 in the feasibility study and what's proposed here
 5 would be for their preferred alternative which would
 6 cost them about two and a half million dollars.
 7 I'm going to do this off the top of my
 8 head but about a half million dollars of that are
 9 kind of up-front costs to establish controls and do
 10 initial work. And then the rest of it is kind of the
 11 costs of about \$150,000 a year for continued dust
 12 control, which they say they're going to do anyway,
 13 continued monitoring which also Monsanto -- and
 14 honestly Monsanto has said that even if EPA does not
 15 require them to do so they will continue to do dust
 16 control, they will continue to do air emission
 17 control, they will continue to do groundwater
 18 monitoring, they will continue even, they've said, to
 19 do soil monitoring.
 20 TIM JACKSON: And 2.5 million dollars is
 21 the total cost?
 22 TIM BRINCEFIELD: That's the estimated
 23 cost of the feasibility study of 30 years of the
 24 alternative of close to what I've described here,
 25 again that includes that dust control.

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1 TIM JACKSON: One further question then
 2 for Monsanto people, how does this affect your profit
 3 margin? Is this a lot of money for you guys to have
 4 to spend on this stuff or is it a little money? How
 5 does it fit into the scheme of things business wise?
 6 BOB GEDDES: Tim, that's a hard question
 7 to answer exactly because Monsanto looks at
 8 environmental stewardship as just a part of the costs
 9 of doing business. So it doesn't matter if it's a
 10 lot or a little, if it's the right thing to do
 11 Monsanto is committed to do it. And we believe for
 12 sure that it is the right thing to do.
 13 TIM JACKSON: Thanks.
 14 TIM BRINCEFIELD: Yes, sir?
 15 ROBERT GUNNELL: I'm Robert Gunnell. You
 16 indicated that there are possible restrictions going
 17 to be put on the surrounding land for residential
 18 purposes. Will those same restrictions apply to
 19 industrial or commercial applications if you're --
 20 facilities such as that adjacent to the plant?
 21 TIM BRINCEFIELD: We would not propose
 22 that. Again back to the risk assessment and we try
 23 to conservatively estimate potential risks. So when
 24 we look at residential exposure we assume a family is
 25 there for 365 days a year for long periods of time

1 potentially 24 hours a day, children playing in the
2 dirt.
3 We also look at industrial exposure, eight
4 hours a day, less frequently a year. We look and see
5 whether that less frequent exposure would also pose a
6 risk.

7 And our assessment was that less frequent
8 exposure such as industrial use, such as agricultural
9 uses, recreational uses even, would not be expected
10 to pose an unacceptable risk. We would not expect to
11 be restricting those uses. The only proposal that
12 we're making is to restrict residential use.

13 ROBERT GUNNELL: One other question.

14 BOB GEDDES: If I could just add a little
15 bit to what Tim said, Monsanto does own a lot of
16 property that's not really considered to be
17 industrial property, for example the old Kackley
18 farm. We own some farm land that's on the plant site
19 that Larry Hopkins farms, if you're familiar with the
20 Monsanto operation.

21 If we ask other residents or landowners to
22 restrict the development of their property Monsanto
23 will impose that same restriction to those lands that
24 are contaminated as what we would ask or expect
25 anyone else to do.

1 So to follow up on your answer a little
2 bit, yes, we will restrict residential development in
3 those lands that Monsanto currently owns that could
4 be considered industrial.

5 ROBERT GUNNELL: My experience is that now
6 days whenever there's a land transfer and banks want
7 to have a level one or a level two environmental
8 study done prior to the transfer of land before
9 they're willing to lend. I assume that's somewhat
10 the kind of study that's been going on right here
11 now.

12 Is there a possibility if we were to want
13 to sell that land that a bank would refuse to loan
14 money because of the contamination that's there?
15 Would they demand that it be cleaned up before they
16 would loan any money to buy that property?

17 TIM BRINCEFIELD: I honestly cannot tell
18 you, I do not know. I certainly can't speak for the
19 banks. And I guess I would have to admit that that
20 could be a potential concern for the affected areas
21 but I really don't know.

22 ROBERT GUNNELL: Well, my experience is
23 that on several transactions banks have reused to
24 loan money because they're afraid that they might get
25 involved in a Superfund cleanup or any type of

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1 cleanup that they might be responsible for.

2 TIM BRINCEFIELD: Again, I can understand
3 that concern. It's not something that we're
4 specifically recommending but it could come to pass,
5 it's conceivable.

6 MISHA VAKOC: We could look into that
7 though.

8 TIM BRINCEFIELD: We could certainly look
9 into it and see if -- I can see why you need a
10 specific answer to that but I don't have one here.

11 Excuse me, just procedurally I get ahead
12 of myself, I don't do this often and I get nervous.
13 I forgot to add would it help people if we repeated
14 the questions? I'm jumping in and trying to answer
15 things and realizing some folks are a little further
16 back and I don't mean to be redundant but would it
17 help?

18 I'm getting some nods from the back. I
19 already tried to get you to move to these lovely
20 seats in front and that didn't work.

21 The question here was whether these
22 restrictions might cause a bank to refuse to grant a
23 loan or to grant a loan for someone trying to
24 transfer the property. And we will look into whether
25 we would see that as being the case but I don't have

1 any specific answer to that.

2 TIM JACKSON: Tim, when you say you'll
3 look into that does that mean that will be stated in
4 the final decision?

5 TIM BRINCEFIELD: Well, the final decision
6 document, in our jargon a Record of Decision, and
7 attached to that is what we call a responsiveness
8 summary where we the agency summarize the comments
9 and questions that we received in this meeting and
10 whatever.

11 So this will go in there. Someone -- I'll
12 probably say -- again, you know, quote your name and
13 we'll say we were asked whether or not such
14 restrictions would result in and we'll get the best
15 answer we can at that time in that document.

16 We'll also do our best to get that
17 information back to you directly. But we do not
18 promise to give a personal response in writing to
19 each person that's asked a question. If you want
20 something like that, however, you let me know and you
21 can get it. We don't make a blanket promise.

22 I answered again without repeating the
23 question, I'm sorry.

24 The gentleman back here, was that Sid
25 again?

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1 SID CELLAN: Yeah. Does Monsanto or do
2 you guys have the area on our property that's
3 contaminated to where we know what land is
4 contaminated? I mean we can't really tell.

5 TIM BRINCEFIELD: The question is do we
6 have or are we providing -- does Monsanto have the
7 area of the Cellan property for example that's been
8 affected by the contamination in detail here.
9 And I think my best answer is this is a
10 rough representation taken from there. We have some
11 Xerox copies of the detailed figure that I've kind of
12 drawn all over here that shows in a little better
13 detail the area here that we've identified as
14 recommended for cleanup.

15 I have to be careful I didn't say much in
16 this detail. Again what we found is the highest
17 levels of contamination were right along the border
18 here and slightly here and to a lesser degree some of
19 these other areas.

20 When we took samples farther out we either
21 found lower levels or no evidence of contamination.
22 And depending on how stringent the cleanup level, we
23 want to protect against any possible exposures, we
24 could draw these lines a little farther out.

25 So you see if you could go to the

1 feasibility study that there are lines drawn and that
2 if you decided that a much less protective cleanup
3 level you wouldn't draw any lines because you would
4 say it's okay as it is.

5 If you wanted to protect against any
6 possible exposure you might go somewhat farther out
7 than here. So recognizing that the figure that we
8 could give you here this evening is going to show
9 this line is drawn because that's what we're
10 proposing to deal with.

11 That's not to say that there's absolutely
12 nothing an inch beyond that. That's to say that
13 levels have dropped off. But all that said we could
14 give you a figure, I can sit down with you or we can
15 get these folks to do it in more detail to talk about
16 what we found based on these various sample locations
17 at various points and what we think the indications
18 are.

19 BOB GEDDES: Sid, we'd be happy to share
20 the data so that you can look at the numbers as we
21 received them from the samples themselves.

22 DEAN PAHL: And I do have some copies so
23 that if you or anybody wants to get a copy I would be
24 happy to give it to you.

25 TIM BRINCEFIELD: I did a rough

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1 approximation even than this for the proposed plan
2 document that's since been printed around. I hope
3 that was informative and I apologize now if it has
4 misrepresented the details in anyway. I apologize,
5 I'm responsible for that.

6 But I hoped that the general figure would
7 give people general information, these get into great
8 detail but we can certainly provide that detail.

9 Now we've had a couple of questions up
10 front. I believe first him, then you.

11 Your name first, please?

12 ROBERT ANDERSON: Robert Anderson. A
13 couple of questions in this, in this looking at
14 trying to get some land use restrictions, I think
15 that's about as good a term as any on this, did you
16 take a look at what restrictions or land use planning
17 is now in the County ordinances in respect to this
18 area?

19 Number two is assuming that you want those
20 restrictions but you don't get total acceptance and
21 compliance from the present landowners around there
22 isn't that going to leave Monsanto and the County
23 Government who has some responsibility for this in a
24 somewhat gray and dangling area down the road 5, 30
25 years, whatever the case may be?

1 TIM BRINCEFIELD: Well, first let me see
2 if I can state your question back and make sure I try
3 to answer the right question. And let's see I was
4 focusing on the latter part, make sure I get this.

5 MISHA VAKOC: The first question was have
6 you looked at the local County --

7 TIM BRINCEFIELD: Right. We looked at the
8 local ordinances and then also if we don't get the
9 land use restrictions could that leave the County and
10 Monsanto and others in a problem later, leave them
11 hanging, did I get it close to right with Misha's
12 help?

13 ROBERT ANDERSON: Yes.

14 TIM BRINCEFIELD: The first thing we did
15 look into both the City of Soda Springs and County
16 zoning and there is nothing that frankly satisfies
17 the State and EPA's concern because local ordinances
18 frankly can change. And they are not as we look at
19 permanent solutions and long-term solutions I cannot
20 say that I, the EPA or the State could enforce them
21 in the future.

22 And so if land use ordinances are there
23 now but could be changed two weeks later that's not a
24 permanent solution. Basically they could be changed
25 by a local vote and that would potentially allow the

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1 situation to change.

2 So we have typically at other sites been
3 reluctant to rely on zoning or local ordinances alone
4 because they can be changed and because they cannot
5 be enforced by the State or EPA as necessary.

6 It's plausible but it's something we
7 prefer not to do. Therefore what has been used more
8 typically is voluntarily getting owners to put
9 restrictions on the land and to therefore agree that
10 it would not be used for whatever reasons not
11 allowed. So I hope does that answer the first part
12 of the question?

13 ROBERT ANDERSON: Yes.

14 TIM BRINCEFIELD: And in terms of would it
15 leave them hanging I did say we will recommend these
16 use restrictions but as you may recall in our
17 proposal EPA has recommended there be a contingency
18 in place that says if down the road it appears that
19 we can't get those restrictions put in place then EPA
20 would recommend that we proceed to go ahead and
21 actively clean up that land.

22 Because rather than leave it unrestricted,
23 rather than leave this no action situation
24 potentially of uncontrolled exposure and therefore
25 potential risks we believe it's more prudent to

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1 proceed with the actual cleanup.

2 So rather than leaving it hanging
3 indefinitely I would be forced to step in and say
4 everyone has made a good effort, it appears for
5 whatever reason this can't be done and therefore it's
6 prudent to move forward and just clean it up. That's
7 the proposal we're putting out today.

8 Does that address your questions?

9 ROBERT ANDERSON: Yes.

10 TIM BRINCEFIELD: Thank you.

11 This gentleman here and then I'll come
12 back to you.

13 CLARKE BROWN: My name's Clarke Brown. I
14 own land to the east of the Monsanto plant on the
15 north end in that area. So I gather that EPA or
16 Monsanto would not be concerned if I were to drill a
17 culinary well in that area?

18 TIM BRINCEFIELD: No. Well, I've got the
19 soils map up but the direction of groundwater flow is
20 generally this way. The sources of contamination
21 that were addressed but there are still residuals are
22 again in this corner moving here.

23 There's other groundwater that comes in
24 from the north and that's why even here where the
25 Monsanto production well -- these surface wells are

1 not effecting the groundwater in any way that we can
2 tell. What effected the groundwater were the old
3 leaking hydroclarifier that have been taken out of
4 service.

5 So groundwater -- that's why when I talk
6 about groundwater use restrictions it would only be
7 with respect to the affected areas to the south.

8 Does that address your question?

9 CLARKE BROWN: Yeah.

10 TIM BRINCEFIELD: Tim then?

11 TIM JACKSON: I may be thinking too far
12 ahead here but if some landowners don't go for these
13 voluntary restrictions it seems to me that rather
14 than go to the expense of cleaning up the soils or
15 bioremediating or whatever it seems like Monsanto
16 might say to themselves gee, it might be better if we
17 just bought this land from these people and give them
18 a good deal on it. Is that a conceivable notion?

19 TIM BRINCEFIELD: EPA typically -- I'm
20 going to answer this question indirectly because it
21 helps me slightly to do a little background.

22 Typically again just as we look to
23 Monsanto as a potentially responsible party in this
24 situation, potentially, to do the studies given that
25 we've established that contamination of concern here

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1 the sources appear to lie with the facility we would
2 expect to go back and say we believe that you should
3 bear a responsibility for the actions that are
4 taking.

5 In fact whatever decision that we
6 ultimately make the next step after selecting a
7 decision and giving you all public notice of that
8 will be then to proceed to go and give notice to
9 Monsanto and if we were to identify any other
10 potential responsible parties any others that we wish
11 to enter into negotiations for them to perform the
12 actions that are necessary.

13 So we would be putting a responsibility on
14 Monsanto to make sure that those land use
15 restrictions were placed on land. To the extent they
16 own land they can put those restrictions on
17 themselves. So for land that they already own
18 they've indicated a willingness to do so.

19 If there were lands that they did not own
20 that did not have those then one option would be in
21 fact for them to own that land and to establish the
22 restrictions themselves.

23 BOB GEDDES: Tim, can I jump in?

24 Monsanto has had in place a buffer zone
25 acquisition program for many years. We have tried to

1 purchase land as that land became available in close
2 proximity to our property boundaries. And that
3 program was put into place to avoid exactly this
4 situation, residential encroachment close to the
5 property line.

6 So Monsanto is interested in that. We
7 have tried not to put pressure on local landowners,
8 we have tried to negotiate in good faith with them.
9 If they wanted to sell their land then Monsanto was
10 eager to negotiate with those and in many cases we
11 have purchased the land. That's how the lands that
12 are identified outside of the plant property have
13 been acquired.

14 TIM JACKSON: Well, I'm not a real estate
15 expert but it seems like a landowner could use
16 Superfund as a bargaining chip to get more money for
17 their land, is that accurate, Bob? Do you think
18 that's possible?

19 BOB GEDDES: Yeah, I suppose that would be
20 an alternative for a landowner. Hopefully we can
21 negotiate fair market value prices and work closely
22 with those people as that opportunity presents
23 itself.

24 Obviously we would be reluctant to pay
25 exorbitant prices for something we didn't feel was

1 fair.

2 TIM BRINCEFIELD: Other questions?

3 DEAN WELLING: I'm Dean Welling. I'll
4 build on this gentleman's question here with respect
5 to the contingency option.

6 Have you all considered if landowners do
7 not want to place land restrictions on their
8 property, the majority of these properties
9 surrounding the plant is like you stated
10 nonresidential, agricultural, pasture land that kind
11 of stuff, is there an option than rather than
12 mandating cleanup if they don't want to go into the
13 restrictions that you suggest as doing that on an as
14 need type basis?

15 TIM BRINCEFIELD: So your question, to
16 make sure I understand you, is that if someone did
17 not want to place restrictions on their land would it
18 be an option for them to essentially not have
19 restrictions and only deal with the issue if they
20 tried to change the land use?

21 DEAN WELLING: That's correct.

22 TIM BRINCEFIELD: Is that right?

23 DEAN WELLING: If for some reason ten
24 years down the road they wanted to build a house
25 there then Monsanto would have to come in and do

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1 something.

2 TIM BRINCEFIELD: That alternative was not
3 specifically evaluated here. It could have been
4 considered and could be reconsidered.

5 We would -- having been at this for six
6 years myself there is some preference for dealing
7 with the situation and being able to move on. Most
8 of us would simply like to get this behind us and be
9 able to reach the point where this could be
10 resolved.

11 So that's the biggest concern that I have
12 with the wait and deal with it at a later date option
13 is this just that, it does leave you hanging. It
14 leaves uncontrolled property where potentially there
15 could be unrestricted exposure. It requires us to
16 more actively pay attention to make sure that that
17 isn't happening.

18 And so it could be considered and is an
19 option but that's part of why it wasn't
20 necessarily --

21 DEAN WELLING: Could it have some cost
22 advantages to Monsanto?

23 TIM BRINCEFIELD: It could. You know it's
24 a possibility and we can certainly give it some more
25 consideration.

1 BILL WRIGHT: Tim, this is Bill Wright.

2 I'd just like to clarify wouldn't it be fair to say
3 that this gentleman's question and suggested approach
4 is not inconsistent with the proposed plan? Wouldn't
5 be that be a fair characterization?

6 TIM BRINCEFIELD: Well, the only part -- I
7 guess I would say it feels slightly inconsistent in
8 that I've laid out that we think that if we don't get
9 restrictions in a reasonable time we should move on
10 and clean it up in order to provide some closure.

11 It feels like it differs to me in that it
12 seems like you're suggesting land use restrictions or
13 a commitment to test -- the way I would put it, tests
14 and if necessary disposing of the soils in accordance
15 with the plan at a later date is more how I would
16 describe this. It seems slightly different from what
17 I've proposed right now.

18 DEAN WELLING: What does EPA consider as a
19 reasonable period of time?

20 TIM BRINCEFIELD: That is something that
21 is deliberately not specified there in part due to
22 solicit comment and in part because I'm trying to
23 maintain some flexibility.

24 And our own thinking it seems that it's
25 conceivable that these use restrictions could be

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1 resolved in a fairly brief period of time, perhaps a
2 year. But I'm concerned that frankly if I have to
3 specify a year and I get to day 364 everything's all
4 but done and I got to go woops, had a year and I now
5 have to move on to the next thing. These things are
6 pretty rigid.

7 So in order to allow us the flexibility
8 and allow me the flexibility to make judgments as we
9 go along we've left this as recommendation for a
10 reasonable period of time to be determined by EPA.

11 Options here would include being more
12 specific and setting out a particular amount of time
13 or leaving it totally open. I chose sort of the
14 middle ground to indicate that we did not think it
15 should go on indefinitely.

16 Does that answer your question?

17 DEAN WELLING: Well. . .

18 TIM BRINCEFIELD: Do you want to follow up
19 on that or should I go on to this gentleman?

20 DEAN WELLING: You gave me a non-answer
21 really on what a reasonable time frame was. I still
22 don't know whether it's a year, is it 20 years? Is
23 it 30 years at the end of this final 30 year
24 possibility?

25 It seems like that could have a lot of

1 ramifications as to what stems or what action plan
2 would need to be put in place from either Monsanto's
3 standpoint or the landowners from the standpoint of
4 how to approach the situation.

5 TIM BRINCEFIELD: Typically the time
6 frames on other sorts of cleanup actions that I have
7 been more involved with -- let's say if we were just
8 focusing on if I were recommending that we selected
9 the excavation option there would be some time
10 necessary first to negotiate this consent agreement
11 that I talked about, the agreement where Monsanto or
12 if they're willing to agree to do the work.

13 Incorporated in that we typically then
14 have work plans, spend time in design what needs to
15 be done and all of that takes some time. And that's
16 one of the reasons we say it's hard to estimate
17 exactly how long it would take.

18 In this case it's not -- there's very
19 little that would need to be done in terms of a work
20 plan that would need to be developed. It really
21 comes down to can people come to a decision to do
22 this and move on.

23 And so there's no -- I have no engineering
24 time scale to put out here. And so reasonable here
25 is a judgment call. If people would be more

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1 comfortable and believe it's important to have a
2 specific time frame we'll consider that. But the
3 specific time frame has it's, in my opinion,
4 advantages and disadvantages.

5 And I would be interested in hearing more
6 people's thoughts about whether they felt it's
7 important to have a specific time frame and if so
8 should it be short or long. But I pretty much told
9 you as much as I think I can as to where my thinking
10 is.

11 Still have a question here?

12 BRUCE PALLANTE: Yes my name is Bruce
13 Pallante. I'm a little confused because this
14 proposal was the only risk is if there's residential
15 building?

16 TIM BRINCEFIELD: Correct.

17 BRUCE PALLANTE: And if there is none there
18 now there is no risks so I think what he's saying is
19 let's not clean up until there's a risk or a change
20 in land use. And your concern was you want to move
21 on, you may not pay attention to this if we let
22 linger.

23 But I thought I heard you say you're going
24 to monitor for 30 years and have five year periodic
25 reviews anyway so how are you going to forget about

1 this?

2 TIM BRINCEFIELD: Not forget about it but
3 the level of effort, the level of review, the type of
4 review would be somewhat different.

5 It's not that we could not do so but that
6 is one of the concerns in doing it. And there's also
7 to reach closure for people here. And it's that we
8 believe that prohibition on residential use would be
9 protective and allow some certainty for landowners
10 and for Monsanto.

11 What you've offered would also be
12 protective and is a plausible alternative. It just
13 in our minds did not offer some of the same
14 advantages. It's not to mean that it could not be
15 considered. It's just there are some practical
16 implications there as well.

17 But I'll honestly based on the comments
18 I'm hearing this evening here give it some more
19 consideration.

20 BRUCE PALLANTE: It may have advantages to
21 the landowners and to Monsanto.

22 TIM BRINCEFIELD: It could, there may
23 indeed, it's not inconceivable. You know I would
24 anticipate that again in order for that to be
25 protective and in EPA's judgment enforceable, because

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1 that's part of the concern about local land use
2 controls, I can't enforce those.
3 The local -- someone locally tries to --
4 decides to change those and allow residences before
5 it I have to come back in and take a new federal
6 enforcement action and basically do a lot more
7 procedural action to stop something that otherwise
8 might have been stopped up front.

9 So here in order to effectively accomplish
10 what was suggested here what we would typically
11 require is that instead of a restriction on your
12 property being placed that said no residential
13 development be placed here we would ask that a
14 voluntary restriction be placed on the same piece of
15 property that said no residential development shall
16 occur here without proper testing and if necessary
17 disposal of the soils.

18 And just to recognize again that I could
19 not responsively say well a gentlemen's agreement to
20 this effect will be okay. If we were to go forward
21 with the proposal you describe it could be done, it
22 could be considered, that's the form that I would
23 have to recommend it take.

24 That's the only point I wanted to clarify
25 is that we would ask to do it in a similar way. But

1 that is a potential way of doing this. And that
2 could be considered.

3 Mark?

4 MARK STEELE: Yes. I'm Mark Steele and
5 I've got a couple of questions. How many acres are
6 you talking about outside of Monsanto? How many
7 property owners involved and can EPA force cleanup on
8 private property?

9 TIM BRINCEFIELD: How many acres, the
10 proposal here I've kind of drawn a line between the
11 two more precise figures in there and I split the
12 difference inaccurately and I'll let Dean improve on
13 it.

14 They looked at something that was either
15 235 acres or 435 acres. And so my ball-park is that
16 this is about 335 or 350 acres that's within these
17 blue lines.

18 DEAN PAHL: 250.

19 TIM BRINCEFIELD: Excuse me, a more
20 precise estimate would be more like 250 acres. And I
21 would trust his figures better than my ball-park on
22 this. And that's the first question is how many
23 acres and the second was?

24 MARK STEELE: How many property owners?

25 TIM BRINCEFIELD: How many property

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1 owners. I sent letters to 11 property owners that I
2 identified as potentially affected, those included
3 Kerr-McGee to the east which is potentially
4 affected. But also included owners of property to
5 the north and west.

6 Basically anyone that -- any property
7 owners that I identified including the City of Soda
8 Springs since they own the industrial park that is
9 potentially affected here. I sent letters to --
10 hopefully those people got it in an effort to make
11 sure that people that could be affected by this
12 understood what was going on.

13 And the last part of your question was
14 could, if I remember, EPA force cleanup of the
15 affected areas on private property; is that correct?

16 MARK STEELE: That's correct.

17 TIM BRINCEFIELD: I think the short answer
18 is we probably could under certain circumstances.
19 Under these circumstances at this point we believe
20 that the restriction of use option would be
21 protective and that's what we're recommending.

22 But if cleanup were the selected remedy
23 and property owners would resist I don't think we
24 would force cleanup but that would probably mean
25 there would be a need for restrictions. This is all

1 subject to what is finally decided in the plan.

2 MARK STEELE: Thank you.

3 DEAN PAHL: Let me just add one thing from
4 the first part of the question about the amount. If
5 you'll see all those dots are all locations where one
6 to five samples were taken.

7 The area that I had and Tim has here in
8 green for the soils it's interpolated is the word.
9 Everything else was definitely, absolutely clean.
10 The samples within are the only ones so you kind of
11 draw a space in between.

12 Frankly that's conservative, I can't say
13 for certain that everything is affected within this.
14 It's a mathematical estimate. We know everything
15 outside it is clean and within it I can't say for
16 certain. For example that may be high but it's about
17 250 acres.

18 TIM BRINCEFIELD: If we move forward on an
19 active cleanup option again the first step would be
20 to build on the studies here to develop a more
21 precise work plan which would include some more
22 precise sampling or some additional sampling to make
23 sure that we had a precise handle on the affected
24 areas as possible that we target for cleanup
25 appropriately.

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1 In some few cases that means we end up
2 looking at a wider area. In most cases it means we
3 are able to narrow it.
4 Did I see a question at the back?
5 STEVE HANESS: My name is Steve Haness,
6 I'm with the U.S. Public Health Service. Regarding
7 the comments about waiting ten years to see whether
8 or not land uses change, things like that.
9 I don't think it's a given that if we wait
10 ten years then have to do cleanup actions that that
11 would be more cost effective for Monsanto or the EPA
12 or the taxpayers or anybody.
13 I think that if we look at certain trends
14 in the environmental industry over the last ten years
15 we're likely to see that cleanups have grown more and
16 more expensive. So I wouldn't just accept the fact
17 that we wait until we see whether or not land use
18 changes.
19 I'm not saying that it will be more
20 expensive, I'm just saying that I think there's a lot
21 of uncertainty there regarding whether or not that
22 would be more cost effective or a better option for
23 Monsanto or EPA or anybody else.
24 TIM BRNCEFIELD: I need to go back and
25 probably have gone far off the reservation to

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1 qualify, Mark, in terms of your question concerning
2 compelling landowners to clean up. There are -- it
3 would be a very, very -- have to be very, very
4 specific situation and I'm not saying it would
5 necessarily apply here.
6 I believe that I'd have to check with lots
7 of lawyers before I say a whole lot. I have no doubt
8 in my mind that we believe that it's important to add
9 these restrictions and we would work with landowners
10 to make sure that the situation was protected.
11 But under what circumstances cleanup can
12 be compelled probably varies with the instance. And
13 I've wandered off up here.
14 BILL WRIGHT: Tim, this is Bill Wright.
15 There's been discussion about these being potential
16 future risks to potential hypothetical future
17 residents and actually I have a question perhaps for
18 members of the audience.
19 It seems like we have several property
20 owners in the audience and I know that EPA's risk
21 assessment and Monsanto's risk assessment neither one
22 of them evaluated what the potential was for future
23 residential development of the property within the
24 green. But the people who own the property perhaps
25 they could give us an estimate of what that

1 likelihood is.
2 TIM BRNCEFIELD: I think Bill's question
3 is whether or not you the residents of this affected
4 area could or would like to give us an estimate as to
5 the likelihood of your wanting to or actually
6 developing that property for residential uses.
7 Bill is correct that I have been reluctant
8 and remain reluctant to say that I can predict the
9 future accurately enough that I would begin to
10 estimate that likelihood. All I've said is that it
11 is a possibility and we don't believe that that
12 should occur.
13 But I will leave it open if there's anyone
14 here that wishes to address Bill's question and help
15 us understand that, that certainly is information you
16 are in a better position to have in Soda Springs than
17 I am.
18 ROBERT GUNNELL: I'll respond partly to
19 that. Some of our land has been in the land reserve
20 program which will run out in about one year or maybe
21 two, I'm not sure which. But obviously we're going
22 to make the decision what to do with that land in the
23 next year.
24 Whether we go back and turn it into farm
25 ground and if what I heard you saying tonight we

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1 could probably take a plow in there and turn the
2 ground over and farm it and it wouldn't be any
3 problem.
4 But if we decide to do something else with
5 that land Monsanto's operation could cause
6 restrictions what we might be able to do there.
7 TIM BRNCEFIELD: At least in terms of
8 residential use, yeah, that would be our protection.
9 ROBERT GUNNELL: But we don't know.
10 Within the next year or two we're going to have to
11 decide.
12 TIM BRNCEFIELD: Other questions?
13 Gentleman in the back there?
14 MORRIS COLE: I've got one.
15 TIM BRNCEFIELD: Your name first,
16 please?
17 MORRIS COLE: Morris Cole. I've got a
18 question when you talk about risks, what's the number
19 you're comparing to? I think everybody's here
20 because you say risks and you tell them cancer and
21 all these other things, what are you comparing it
22 to? What's the risk factor we're looking at here? I
23 don't think anybody understands that.
24 TIM BRNCEFIELD: In other words if I say
25 the number like I say one in a million risk of

1 getting cancer is that the sort of thing you're
2 asking?

3 MORRIS COLE: Yeah.

4 TIM BRINCEFIELD: Okay. In this case and
5 that's a number that will help you get the
6 distinction. I talked about a Superfund acceptable
7 risk range and that's what I was just saying when we
8 look at things, things that would be projected to
9 pose less than a one in a million chance of excess or
10 additional cancers we take off the table. We look at
11 things that are potentially more than that.

12 And in this we actually kind of look at a
13 range between one in a million and 1 in 10,000 and
14 anywhere within that we may see the need to take
15 action. And if the risk is higher than that, if the
16 chance is more than 1 in 10,000 of some sort of -- in
17 this case potentially excess cancer are very high we
18 clearly move forward.

19 In this case the potential risks in all
20 cases were somewhere in that middle ground. Again
21 the current risks were off the scale, well below it.

22 But the potential risks if we assume
23 someone were living there was as high as about 3 in
24 10,000, so right at the border line top of where we
25 clearly move forward and look at taking action. That

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1 would be the potential risk number if that helps
2 answer it.

3 But again that would only be the risk in
4 the event there's residences there and those kinds of
5 exposures we described. Does that --

6 MORRIS COLE: I don't think a landowner
7 can answer the question you're asking them until you
8 tell them what the risk factor is, what that number
9 is.

10 TIM BRINCEFIELD: Within this blue area
11 I'm saying that that factor is somewhere on the order
12 of 3 in 10,000, we think that's a conservative
13 estimate. We actually believe the risk is less than
14 that but it could be as high as that if someone were
15 to build a home there.

16 And another way that that gets translated
17 and I'm bastardizing this a little but it's how I try
18 to understand it is that if you had that 3 in 10,000
19 if you had 10,000 people living in this -- inside the
20 blue area we would estimate that after 30 years we
21 would see 3 extra cases of cancer in those 10,000
22 people.

23 That's above the 1 out of 4 chance that
24 each of us as a resident of the United States has.
25 So there's this big chance -- and again Soda Springs

1 is better than average, one of the things that's been
2 pointed out to me by Monsanto is that the incidence
3 of cancer here is well below the average.

4 But I use the national average to compare
5 is one in four. What we're saying is that this
6 contamination could potentially add 3 out of 10,000
7 to that 1 in 4 if 10,000 people were exposed. It's
8 not quite that linear a relationship but I hope that
9 gives some --

10 MORRIS COLE: That's what I as a landowner
11 would probably want to know is, is what are my
12 risks.

13 TIM BRINCEFIELD: I mean there's a lot
14 more on that but I hope that helps a little. I could
15 spend more time on that with anybody individually or
16 on this now if that helps. And we have those numbers
17 in detail and we can translate those numbers in
18 detail based on what's in the studies.

19 PAT HYLAND: Monsanto did a parallel risk
20 assessment, could I ask Dean to address Monsanto's
21 findings on the risk assessment the parallel?

22 DEAN PAHL: Sure. Actually Bill was the
23 primary investigator.

24 PAT HYLAND: Bill would be the one since
25 he did it.

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1 BILL WRIGHT: It seems like the scenario
2 that is of most interest -- excuse me, can you please
3 highlight that area up by S-12? Thanks, Tim.

4 MISHA VAKOC: Excuse me, could you please
5 stand up?

6 BILL WRIGHT: Yes.

7 EPA did an assessment of that area which
8 was the most contaminated area at the highest levels
9 of Radium was right to the north of the plant fence
10 line. And if someone were to build a house there in
11 the future EPA estimated the risk to be two times ten
12 to the minus three or about two in one thousand.
13 Again the EPA action level that's about ten times
14 above the EPA action level.

15 We took -- we did a state of the art risk
16 assessment of the sort that is -- it's gotten
17 acceptance in some EPA regions, it hasn't been
18 accepted in the Seattle region yet.

19 But we looked at it probabilistically and
20 we've estimated that yes it is possible that risks on
21 the order of 3 times ten to the minus four, which is
22 EPA's chosen cleanup level for this project, are
23 possible. However the likelihood of exceeding those
24 is less than -- well, it's approximately .05
25 percent.

1 In other words if someone were to move,
2 build a residence up there some point in the future
3 there's approximately a .05 percent chance that the
4 risks would be unacceptable according to Superfund
5 law.

6 TIM BRINCEFIELD: Two things if I may add
7 to that. One, Bill has correctly corrected me, the
8 maximum potential risk was in fact as high as 3 in
9 1,000 one or 2 in 1,000, so even slightly higher than
10 I stated.

11 Secondly as he said Monsanto did do this
12 additional risk assessment. The EPA reviewed this
13 assessment, we do not agree completely with some of
14 the assumptions going in. And I think the simplest
15 way of saying is that part of that assessment as we
16 understand it is Monsanto assessed the probability
17 that someone would in fact build a home there. And
18 given that that --

19 BILL WRIGHT: No, we assumed that someone
20 would build a home there just as EPA assumed that
21 someone would build a home there.

22 TIM BRINCEFIELD: Okay. I will stop there
23 and not comment on what they did other than to say
24 it's not been fully accepted by EPA, it is not fully
25 adopted by EPA, it is not fully conforming with what

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1 the other EPA regions have accepted, EPA has not
2 approved the document and we do not believe it is
3 prudent to use for decision making in this case.

4 We are relying upon the EPA risk
5 assessment. There is useful information in their
6 document which we are also using.

7 MISHA VAKOC: Are there any other
8 additional questions or comments? We are running a
9 bit over time, our agenda suggests that we might be
10 wrapping up around 8:30, I know that it is past
11 8:30. We can continue if you like. Are there any
12 other statements people would like to make or
13 questions?

14 TIM BRINCEFIELD: We've taken most of
15 questions and we will take these down with the help
16 of our reporter and treat them all as questions slash
17 comments for the record. But if anyone wanted to
18 make additional formal comments or had been planning
19 on making one and we didn't give them a chance
20 certainly please, this is an opportunity to do so.

21 If you feel like your comments and
22 concerns are not already on the record please do so
23 now or send them to us, call me or I'll stick around
24 after this for a while, I've obviously run on quite a
25 bit here.

1 MISHA VAKOC: Okay. Any other additional
2 questions?

3 BOB GEDDES: Misha?

4 MISHA VAKOC: Yes?

5 BOB GEDDES: If I could I'd just like to
6 reiterate our invitation. A lot of what you've heard
7 tonight isn't what you would call every day common
8 Soda Springs language.

9 If you still have questions, which I'm
10 sure most of you do, we would love to come and help
11 you understand as much as we possibly can to make
12 sure that it's clear in your minds that the
13 conditions and circumstances that we're dealing with
14 as citizens of this community and especially those
15 who own property in close proximity to the Monsanto
16 facility.

17 So give us an opportunity if you choose to
18 come and help you understand any questions that you
19 may have.

20 MISHA VAKOC: Yes?

21 DEAN WELLING: How, when and who is going
22 to make this decision?

23 TIM BRINCEFIELD: How and who will make
24 the decision and when I think I heard there.

25 As project manager I'll be responsible for

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1 with help from Misha and other people pulling
2 together the comments and responses to them and
3 trying to then make a recommendation to my upper
4 management in consultation with the State.

5 And the decision maker will be handled in
6 our regional office is ultimately our regional
7 administrator Mr. Chuck Clark, he's the one that will
8 sign it. He will take into consideration the work
9 that's been done, the proposed plan, the comments on
10 it and the recommendations and analysis that we
11 make.

12 But it is not my decision, it is Chuck
13 Clark's decision to make. But I'm kind of the
14 primary conduit so I appreciate any help I can get in
15 terms of informing as to what people's comments and
16 concerns are.

17 DEAN WELLING: What's the timing?

18 TIM BRINCEFIELD: The timing on that, at
19 the moment the schedule if it goes forward is when
20 the comment period would end on August 30th and could
21 have a Record of Decision completed, depending on
22 what comments we receive, these tonight and any
23 others, as early as the end of September.

24 I can't see it happening any earlier than
25 that and it could conceivably take a little longer.

1 If -- if the proposal that I described in the
2 document and this evening were to go forward and
3 obviously I've got a lot of good comments and
4 questions that would cause us to keep looking hard at
5 that.

6 Were that to go forward a decision would
7 be made and make sure it's announced. We would then
8 send the notification letters to the responsible
9 parties, such as Monsanto, inviting them to negotiate
10 an actual plan to implement whatever is decided. And
11 again that might happen say over the winter.

12 And I think the other way -- I wish I had
13 answered the question before about the cleanup
14 because I'm trying to give the most accurate answer
15 possible. When we have a potentially responsible
16 party such as Monsanto and cleanup is likely we then
17 give notice and we say we want to implement this and
18 we want to ask you to implement it.

19 They're given an opportunity to step
20 forward and say yes, we will do the cleanup under EPA
21 oversight. If they refuse to do so EPA then has the
22 option of unilaterally ordering them to do so and to
23 do so under penalty of law. Or EPA can step in and
24 do the work itself and seek to recover the costs from
25 the responsible party.

1 Landowners that haven't been identified as
2 responsible parties are in a somewhat different
3 position. Obviously I can't tell you you're
4 responsible and you've got to clean it up, if you
5 haven't been identified as a responsible party you're
6 not responsible for it.

7 So you're in somewhat different situation
8 so I think even my earlier answer was a little off
9 base and I'll try to backtrack a little and try to
10 get it -- make sure it's right. The circumstances
11 for the landowners are a little different, we want to
12 see that the work gets done.

13 But with respect to Monsanto land is where
14 I can give the clear answer with respect to their
15 property by notifying them as a potentially
16 responsible party I give them the choice of doing
17 what is required by law, do so under the penalty of
18 order or we will do it and seek to recover the
19 costs.

20 And that's really the most accurate answer
21 for that and that does not apply precisely for
22 property owners who are in a different situation.

23 That's the last I'll volunteer unless
24 anyone else has any questions or comments.

25 Thank you all very much.

*** Notes ***

1 MISHA VAKOC: We will be here for a few
2 minutes if you would like to talk to Bob Geddes or
3 someone else, please do.

4 (Hearing concluded.)
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*** Notes ***

REPORTER'S AFFIDAVIT

STATE OF IDAHO)
County of Caribou) ss.

I, LANCE D. OVIATT, do hereby certify that I am a Certified Shorthand Reporter in the State of Idaho, and the Reporter who served as the Official Court Reporter of the proceedings had at the Public Hearing at the time, place, and hour heretofore given, and that the foregoing consisting of pages 1 through 84 contains a full, true, and correct transcript of the proceedings had at such hearing as reported by me to the best of my knowledge and ability.

IN WITNESS WHEREOF, I have hereunto set
my hand and affixed my notarial seal this the 22nd
day of August 1996.

(Signature)

Lance D. Oviatt, C.S.R. #658
and Notary Public in and for
the State of Idaho.

My commission expires: 12/99